

Inside Wallops

National Aeronautics and Space Administration
Goddard Space Flight Center
Wallops Flight Facility, Wallops Island, Va.



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University Faculty and Students to Rockon With NASA

University faculty and students from across the country will RockOn! with NASA during a workshop this week at NASA's Wallops Flight Facility.

During RockOn!, they will learn the basics of building experiments for flight on suborbital rockets.

The teams will build the experiments from kits developed by students from the Colorado Space Grant Consortium and learn about the steps and procedures for creating payloads for flight.

Each experiment package will include a Geiger counter and sensors for measuring temperature, acceleration and pressure. The experiments will be integrated into payload cans for launch.

The experiments will be launched early in the morning June 27 on an Orion sounding rocket. The 20-foot tall, single-stage rocket is expected to fly to an altitude of 41 miles.

After launch and payload recovery, participants will do preliminary data analysis and discuss their results.



NASA's Orion sounding rocket

"The NASA Sounding Program historically has been a program for scientists, engineers and technicians to develop the skills necessary for developing and building advanced satellites and other spacecraft," said Phil Eberspacher, chief of the NASA Sounding Program.

About 72 people from universities in 22 states and Puerto Rico are participating in RockOn.

NASA's Space Grant program sponsors university-based consortia that focus on developing future scientist and engineers, as well as improving science, engineering and technology education.

Using the lessons learned through RockOn!, participants will work to make flight experiments a part of the educational process at their home institutions.

Wallops In the Field

Fort Sumner Spring Campaign
The 2 million cubic foot super pressure balloon (Ultra Long Duration Balloon) test flight from Fort Sumner, N.M., was successfully completed June 22.



Photo courtesy of Dave Pierce

The test verified design changes to ensure the vehicle properly deployed and maintained a stable altitude, and operated at designed pressures. The test flight was supported by the new payload support system developed by Columbia Scientific Balloon Facility, called the Micro-Instrumentation Package, and included high definition and fixed focal length video.

Debbie Fairbrother, NASA Wallops Flight Facility, was the experimenter. Float altitude was 102,500 feet.

Flight time was four hours. The balloon and payload have been recovered.

NSROC Supports Hawaii Mission

A NASA Sounding Rocket Operations team (NSROC) has completed the successful near-simultaneous launch of two medium-range target missiles from the Pacific Missile Range Facility, Barking Sands, Hawaii. These launches completed a Missile Defense Agency and U.S. Navy tracking exercise conducted by the Aegis Ballistic Missile Defense system aboard the USS Lake Erie off the coast of Kauai, Hawaii.

Shortly after lift-off, the crew of the USS Lake Erie, using the Aegis BMD weapon system and onboard AN-SPY-1 radar, acquired and tracked the targets. Using the tactically certified Aegis BMD system, the crew developed fire control solutions and simulated the launch of two standard missile interceptors. The equipment performed according to design, and simulated intercepts occurred minutes later.

Tracy Gibb was the NSROC mission manager.

Wallops In the Air

ARCTAS Mission

The P-3B aircraft and a Wallops crew departed for Ames Research Center, June 19, in preparation for the summer ARCTAS mission. Instruments that were downloaded and stored after the spring phase of the mission will be re-installed. The crew will fly one mission for the California Air Resources Board Mission in conjunction with NASA's DC-8 from NASA's Dryden Flight Research Center. The P-3 will then depart for Cold Lake, Canada.

Virginia Wind Energy Symposium



Photo by Carolyn Turner

Josh Bundick, (left) NASA Environmental Office, was a panelist for the Virginia Wind Energy Collaborative State Wind Symposium held June 18 and 19 at James Madison University, in Harrisonburg, Va.

The goal of the conference was to share information about the many advances that have been made in Virginia in relation to wind energy in recent years. The Symposium reviewed critical and timely issues pertaining to wind power development in Virginia and throughout the mid-Atlantic region.

Bundick addressed planning for wind projects at federal facilities.

Safety Training Cryogenics

July 9
Bldg. E-2 Training Room

9 - 10 a.m. Oxygen Deficiency Hazard
10 - 11 a.m. Basic Hazards
11:30 a.m. - Noon Design Construction
1:15 - 2:30 p.m. Design Const. Continued

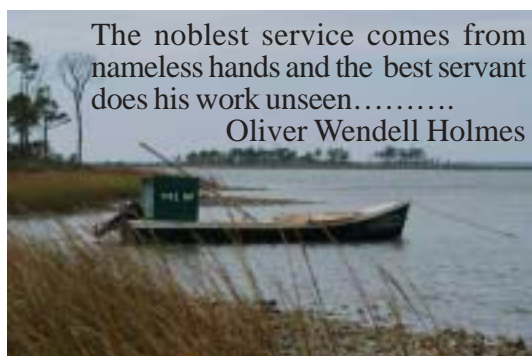
Courses are offered at no cost to all NASA and contractor employees.

Registration is through SATERN. For further information call Olive Finney at x2463.

Wallops Shorts

On the Road

Dave Wilcox, NASA Mechanical Systems Branch, was a guest speaker for the 5th grade commencement at Metompkin Elementary School, Parksley, Va., on June 9.



Pat Dworske Honored to be Area 13 Governor

The former president of the Wallops Debedeavon Toastmaster's President, Pat Dworske, (right) has been selected to serve as the Area 13 Governor for Toastmasters International, effective July 1. Area 13 includes the Eastern Shore of Delaware, Maryland, and Virginia.

In her new roll, Dworske will work to foster strong clubs on the Eastern Shore through continued growth in educational completions and increased membership.

The mission of a Toastmasters club is to provide a mutually supportive and positive learning environment in which every member has the opportunity to develop communication and leadership skills, which in turn foster self-confidence and personal growth.

The Wallops Debedeavon Toastmasters Club meets on the first and third Wednesday of each month from 11:30 a.m. – 12:30 p.m. at the Cropper Center. For further information call x1099 or x2418.



Photo by Sharone Corbin

Safety is no Accident

The warm, sunny weather brings more employees outside either walking to and from meetings, lunch, or just out for a healthy walk. The Security Office safety and security programs are to protect people on the Main Base and the Island. The following are traffic management policies and safety/security reminders:

Pedestrian Crosswalks: Drivers seriously jeopardize pedestrian safety by not granting pedestrians the right-of-way in crosswalks. State vehicle laws require that drivers come to a complete stop when a pedestrian crossing the roadway is on the half of the roadway on which the vehicle is traveling or is approaching so closely from the other half of the roadway as to be in danger. At Wallops, be extra cautious of pedestrians crossing roads in the vicinity of Building F-10, the cafeteria, gym, and dorms. These are our most heavily congested areas where several pedestrian-related incidents have occurred in the past. Also, be alert to the presence of joggers, walkers and bicyclists.

Speed Limits: Take a few moments to watch the traffic on the Main Base. Many drivers disobey the posted speed limits. At Wallops there are various speed limits. No speed limit is higher than 35 mph on either the Main Base or Wallops Island with one exception, the speed limit on the island causeway is 40 mph.

Stop Signs: Drivers who do not come to a complete stop at such traffic control devices imperil themselves and others to save a few

seconds. Observations from the Security Force reveal instances are definitely increasing on the Base. Drivers cannot afford to be lackadaisical about obeying any traffic control device. State vehicle laws mandate a complete stop at stop signs and red lights. Rolling stops are not acceptable.

For further information or to make comments contact the Security Office at x1111.



Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Public Affairs Office, x1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found at: <http://www.nasa.gov/centers/wallops/news/newsletters.html>

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